

EAST GERMANY/YUGOSLAVIA

CERMAK, Krunoslav, Docent, Dr., SANKOVIC, Franjo, Dr., and PAJTL, Mirko, Dr.,
Institute for Pathology and Therapy at the Faculty for Veterinary Medicine
of the University [original-language version not given] in Zagreb, Yugoslavia
(Director: RAPIC, S., Professor, Dr.).

"Some Observations in the Experimental Small-Intestine Invagination of Dogs"

Leipzig, Archiv fur Experimentelle Veterinarmedizin, Vol 20, No 3, Jun 1966,
pp 553-563.

Abstract: The small intestines of 42 dogs were invaginated by intussuscep-
tion and fixation so that the condition resembled the spontaneously occurring
disease. All animals developed a degree of mechanical ileus. The critical
period of the disease was the 4th to 6th day; 14 animals died during this
period. Once this period has passed the chances of defecation being resumed
were good. Eight dogs showed various complications, such as abdominal-wall
infection, stomach rupture, intestine twist, and the like. The invagination
was invariably lethal if the small intestine was inflamed at the time of
intussusception. 35 references, including 14 German, 2 Yugoslavian, 1
Czechoslovak, and 18 Western. (Manuscript received 2 Jul 1965.)

1/1

CLERMAK, I.

CLERMAK, I. Contribution to the design of sewers with slow declivity. p. 43.

Vol. 5, No. 7/7a, July 1955

VCEMI HCSPONARSTVI

TECHNOLOGY

Praha, Czechoslovakia

Sc: East European Accessions, Vol. 5, No. 5, May 1956

CERMAK, L.; REINIS, Z.; RICHTER, V.

Differences in arteriovenous coagulation in normal and pathological states. Cas.lek.cesk. 90 no.23:704-706 8 June 1951. (CJML 20:9)

1. Of the Fourth Internal Clinic (Head--Prof. B. Prusik, M.D.).

CERMAK, L.; RIEDL, O.; ZOULEK, D.

Successful 2206 mg. strychnine therapy of a barbituate poisoning
case. Orv. Hetil. Budap. 92 no.29:942-944 22 July 1951.
(CINL 20:11)

1. Doctors. 2. Fourth Internal Diseases Clinic (Head Physician
Prof. Dr. B. Prusik), Charles University, Prague.

CERMAK, L.

HYNIE, Prof. Dr; CERMAK, L., Dr; GREGOR, O., Dr; POKORNY, J., Dr

Anticoagulant therapy of priapism with pelentan in chronic myeloid leukemia. Cas.lek.cesk. 91 no.44:1259-1260 31 Oct 52.

1. Ze IV. interni kliniky (prednosta: prof. dr. Prusik) a Sexuologického ustavu (prednosta: prof. dr Hynie).

(COUMARIN, derivatives,

ethyl biscoumacetate, ther. of priapism in myeloid leukemia)

(PRIAPISM, therapy,

ethyl biscoumacetate, in myeloid leukemia)

(LEUKEMIA, MYELOCYTIC, complications,

priapism, ther., ethyl biscoumacetate)

L. CERMAK, J. NEUMANN

"Atypical myeloid leukemia." p. 76. (CASOPIS LEKARU CESKYCH, Vol. 92, no. 3, Jan. 1953, Praha, Czechoslovakia.)

SC: Monthly List of East European Accessions, L.C., Vol. 2 No. 7, July 1953, Uncl.

GERMAK, Ladislav, Dr.

No translation. Prakt. lek., Praha 35 no.4:79-83 20 Feb 55.

1. IV. int. klin. KU. v Praze; predn. prof. dr. Prusik
(SPLENOMEGALY
clin. picture)

CERMAK, L.

EXCERPTA MEDICA Sec.6 Vol.10/11 Internal Medicine Nov56

6940. ČERMÁK L. IV. Vnitř. Klin. KU, Praha. O vlivu vasodilatace na srážlivost
krve. Influence of vasodilatation upon blood coagulation
VNITŘ. LÉK. 1956, 2, 5 (431-434) Tables 2 Illus. 1

After an experimental vasodilatation in 42 patients, a marked prolongation of the
coagulation time was noted more frequently in people with clinically intact blood
vessels, than in those suffering from a vascular disease.

CERMAK, L.; POKORNY, J.; HOBZA, A.

Prothrombin time and heparin time during pelentan therapy. Polski tygod. lek. 11 no.37:1577-1578 10 Sept 56.

1. (Z IV Kliniki Chorob Wewnętrznych Uniwersytetu Karola w Pradze: kierownik: prof. dr. B. Prusik).

(PROTHROMBIN TIME, determination,

during ethyl biscoumacetate ther. (Pol))

(HEPARIN,

tolerance test during ethyl biscoumacetate ther. (Pol))

(ETHYL BISCOUMACETATE, therapeutic use,

prothrombin time & heparin tolerance tests in (Pol))

FUCIK, Mojmir; CERNAK, Ladislav; JABLONSKA, Marketa, Technicka spoluprace:
Vaclav Richter a Jaromira Polanaecka.

Leukocytic reaction during investigation with the Bykow-Kurcin tube.
Sborn. lek. 60 no.2:60-67 Feb 58.

1. IV. Interni klinika fakulty vseobecneho lekarstvi university Karlovy
v Praze, prednosta prof. Dr. Bohumil Prusik. M. F., IV. interni klinika,
U nemocnice 2, Praha 2.

(LEUKOCYTE COUNT, physiology

eff. of gastric intubation (Cz))

(STOMACH, physiology

eff. of gastric intubation on leukocyte count (Cz))

FUCIK, Mojmir; CERMAK, Ladislav; JABLONSKA, Marketa, Technicka spoluprace:
Vaclav Richter a Jaromira Polanecka.

The influence of intercaine on the leukocyte reaction during investigation with the Bykow-Kurcin tube. Sborn. lek. 60 no.2:68-72 Feb 58.

IV. interni klinika fakulty vseobecneho lekarstvi university Karlovy v Praze, prednosta prof. Dr Bohumil Prusik. Doc. Dr M. F. IV interni klinika, U nemocnice 2, Praha 2.

(LEUKOCYTE COUNT, physiology

eff. of gastric intubation & influence of tetracaine admin. (Cz))

(STOMACH, physiology

eff. of gastric intubation on leukocyte count, influence of tetracaine admin. (Cz))

(ANESTHETICS, LOCAL, effects

tetracaine on leukocyte count reaction to gastric intubation (Cz))

CERMAK, L.; PUCHMAYER, V.; MARCAN, K.; MODROVA, E.; technicka spoluprace
KNOPLOCHOVA, A.; FASSMANOVA, J.

Blood coagulation changes in change of the vascular calibre. Sborn
lek. 65 no.3:65-71 Mr '63.

1. IV. interni klinika fakulty vseobecneho lekarstvi University Karlovy
v Praze, prednosta prof. dr. M. Fucik.
(BLOOD COAGULATION) (VASCULAR DISEASES)

CHERNOBYL
CERNAK M

KREKULOVA, V.; MATL, Z.; VOJTEK, V.; CERNAK, M.; SERY, Z.

Further experiences with extrapleural pneumothorax in children.
Lek. listy, Brno. 7 no. 11:272-276 1 June 1952. (CML 22:3)

1. Of Masaryk State Pediatric Lung Sanatorium (Director--Docent
V. Vojtek, M. D.) in Sumperk and of the Surgical Clinic (Head--
Prof. V. Bapant, M. D.) of Palacky University, Olomouc.

CERMAK, Miloslav, MUDr

~~HERNAN PALACEK~~
Laceration of the phrenic nerve by transpleural way. Cas.lek.cesk.
91 no.6:181-182 8 Feb 52.

1. Z chirurgické kliniky Palackého university v Olomouci. Prednosta:
prof. MUDr Vladislav Rapant.

(NERVES, PHRENIC, surgery,
laceration, transpleural)

CZECHOSLOVAKIA

CERMAK, M., JAKUBICEK, R., KRALIK, J. SMID, Z., and ZAJICEK, M., of the Surgical Department (Chirurgické oddelení), Head: M. CERMAK MD, and the Pediatric Department (Dětské oddelení), Head: ZAJICEK, MD, of the Olomouc Okres Institute of National Health (OUNZ = Okresní Ústav Národního zdraví) Hospital in Sternberk (nemocnice ve Sternberku).

"Our Experiences with the Treatment of Congenital Impatency of the Esophagus"

Prague, Casopis Lekaru Ceskych, Vol 102, No 4, 25 Jan 63, pp 106-108.

Abstract [Authors' English summary]: From November 1959 through February 1961 seven newborn infants suffering from congenital impatency of the esophagus were treated at the Surgical and Pediatric Department in Sternberk. Four children are living and prosperous. Children who died were immature, one died six weeks after operation when already surgically healed. The principles are dealt with of successful surgical intervention and of the postoperative care. [2 references, of which 6 Western].

1/1

CERMÁK, M.

CZECH

✓ The dynamics of serum protein fractions in tuberculosis.
J. Labus and M. Cermák (Slovenská Univ., Košice, Czech.).
Bratislav. Lekárske Listy 54, 1410-22(1954).—Paper electro-
phoretic examn. of the serum showed considerable protein
value. Decrease in the α -globulin fraction proves
of the process; the ratio α -globulin: γ -globulin is important
for the defensive ability of the organism. L. J. Urbancik.

CERMAK, M.; JAKUBICEK, R.; KRALIK, J.; SMID, Z.; ZAJICEK, M.

Our experiences in the treatment of congenital impatency of the esophagus.
Cas. lek. česk. 102 no.4:106-108 25 Ja '63.

1. Chirurgické oddělení OUNZ Olomouc, nemocnice ve Sternberku, přednosta
MUDr. M. Cermak Dětské oddělení OUNZ Olomouc, nemocnice ve Sternberku,
přednosta MUDr. M. Zajicek.

(ESOPHAGUS) (ABNORMALITIES) (SURGERY, OPERATIVE)
(INFANT, NEWBORN, DISEASES)

CEJKA, M.

Natural drainage of a small water basin. p. 9.

Vol. 4, no. 1, Jan. 1954
VODNI HOSPODARSTVI
Praha, Czechoslovakia

Source: East European Accession List. Library of Congress
Vol. 5, No. 3, August 1956

CEJMAK, K.

Natural drainage of a small water basin. p. 41.

Vol. 4, no. 2, Feb. 1954
VODNI HOSPODARSTVI
Praha, Czechoslovakia

Source: East European Accession List. Library of Congress
Vol. 5, No. 8, August 1956

CERVEN, V.

Floods. p. 104. VODNE HOSPODARSTVI. (Ustredni sprava vodního hospodárství)
Praha. No. 2, Feb. 1956.

SOURCE: East European Accessions List, Vol. 5, no. 2, September 1956

CORMAN, H.

Hydrologic Congress of the Hungarian Academy of Sciences in Budapest.
p. 165. VODNI HOSPODARSTVI. (Ustredni sprava vodniho hospodarstvi)
Praha. no. 6, June 1956.

SOURCE: East European Accessions List, Vol. 5, no. 9, September 1956

CERMAK, M.

Evaluation of the hydrological year 1958. p. 414.

VODNI HOSPODARSTVI. (Ministerstvo energetiky a vodního hospodárství a
Vedecká technická společnost pro vodní hospodárství) Praha, Czechoslovakia.
No. 10, Oct. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 11,
November 1959.

Uncl.

CERMAK, Miroslav, inz., dr.

Recurrence of high water in small watersheds. Vodohosp cas 10
no.3:233-256 '62.

1. Hydrometeorologický ústav, odbor hydrologie Moravy, Brno.

CERMAK, Miroslav, dr. inž.

Water resource conditions in 1962. Vodni hosp 13 no.7:248-
249 '63.

1. Hydrometeorologický ústav, Brno.

CERMAK, Miroslav, inz. dr.

Freezing of Czechoslovak rivers. Vodohosp cas 12 no.3:271-
277 '64.

1. Hydrometeorological Institute, Brno.

CERMAK, Miroslav, dr. inz.

Water conditions in 1963. Vodni hosp 14 no.9:327-328 '64.

1. Hydrometeorological Institute, Brno.

CERMAK, Miroslav, dr. inz.

Hydrologic characteristics of the dry period; 1962-1964. Vodna
hosp 15 no.3:103-106 '65.

1. Hydrometeorological Institute, Brno.

CERMAK, M., dr. inz.

Development of the hydrologic service in Czechoslovakia. Vodni
hosp 15 no.3:138 '65.

CZECH

The structure of phosphate coating at high temperatures.
Miroslav Cernak, *Hutnicki Listy* 9, 470-4 (1954).—The
mechanism of dehydration of zinc phosphate coating was
studied. The phosphate coating consists of

Met 300

8m 800

Cermak, M.

21
X-Ray Measurements of Internal Stress, and their Use in
Evaluating the Strength of Structures. M. Cermak. (Hutnické
Listy, 1958, 11, (1), 21-23) (In Czech) Formulas for the
determination of internal stresses by X-rays based upon
Brandenburg's representation of the theory of elasticity are
derived, and are shown to facilitate the attainment of much
higher accuracies than by older methods.

Math
phys

of VMH

AUTHOR: Čermák, Miroslav, RNDr. (Prague) CZECH/34-59-7-7/22
TITLE: Contribution to the X-ray Investigation of Metals at
Elevated Temperatures (Příspěvek k rentgenografickému
výzkumu kovů za vyšších teplot)
PERIODICAL: Hutnické Listy, 1959, Nr 7, pp 593-598 (Czechoslovakia)
ABSTRACT: A new instrument is described for X-ray investigation of
metals at elevated temperatures. In this instrument the
specimen is heated in a small vacuum chamber by direct
passage of an electric current. Recording of the
diffracted X-ray radiation is effected by two simultaneously
operating Geiger-counters. The described instrument
enables determination of the following: quantitative
analysis of the phases and quantitative analysis of
mixtures of substances at any temperature; phase
transformation points and quantitative relations between
phases as a function of the temperature; austenite
decomposition at elevated temperatures; process of cooling
from the quenching temperature at any cooling speed,
whereby the cooling is effected by switching off or
reducing the current intensity and quick removal of the
heat from the specimens by means of cooled electrodes. ✓

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CZECH/34-59-7-7/22

Contribution to the X-ray Investigation of Metals at Elevated Temperatures

The obtained results can be used for plotting equilibrium diagrams and S-curves. A drawing of the vacuum chamber is reproduced in Fig 1. In Fig 5 a photo is reproduced which shows the overall view of the apparatus. The sketch, Fig 3, shows the goniometric system of the chamber. As examples, the authors described the determination of the retained austenite in a specimen and the determination of the Ac_1 and Ac_3 points for the Czech steel ČSN 12050 containing 0.4% C as well as investigation of structural changes during cooling from the quenching temperature. For these examples the results are tabulated and graphed. There are 8 figures, 3 tables and 3 references, 2 of which are Czech, 1 English.

SUBMITTED: December 22, 1958

Card 2/2



CERMAK, M.

Apparatus for metal röntgenographic research at higher temperatures. Miroslav Cernák. *Hutnické listy* 14, 593-8 (1959).—The sample is heated electrically in a vacuum tube. Recording of the diffracted radiation is carried out with two Geiger-Müller counters simultaneously. This app. enables the detn. of the ratio of structural phases at any temp., detn. of the transformation points during heating and cooling, the results of which can be used for the plotting of equil. diagrams and S curves. Petr Schneider

2.
4 E 3 d
4 E 2 a (c)

KR

CZECHOSLOVAKIA/Human and Animal Physiology (Normal and Pathological) Internal Secretion. General Problems. T

Abs Jour : Ref Zhur Biol., No 6, 1959, 26731

Author : Cernak, O.

Inst :

Title : On Regulation of Ascorbic Acid Metabolism

Orig Pub : Sbor. Vysoke školy zemed. a Lesn. Brne, 1957, B5, No 1, 63-69

Abstract : To normal and castrated female rabbits weighting 2.5-3.5 kg in whose urine ascorbic acid (I) was not detected, 100 mg of I was introduced intramuscularly. Excretion of I had a two-stage character. The 1st stage (FS) lasted 1-70 hours, the 2nd stage (SS) 70-144 hours; the amount of excreted I was about the same. Later the extract of the anterior lobe of hypophysis and after 48 hours 100 mg of I was introduced to the same animals. The total amount of excreted I was about the same. -- V. V. Yazvikov

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CERMAK, OLDRICH.

AGRICULTURE

CERMAK, OLDRICH. Prehled nejdulezitejsich chorob hospodarskych zvirat se zaklady vseobecne pathologicke fysiologie, patthologicke anatomie a mikrobiologie. Praha, Statni pedagogicke nakl., 1957. 177 p. (Ucebni texty vysokych skol) DA not in DLC

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3, March, 1959. Uncl.

MARTON, Jozef, inz.; CHEN'AK, Oskar, inz.

Worked in the building industry. Inz stavby 12 no.7:
Supplements: Mechanizace no.7:97-99 J1'64

1. Faculty of Building, Bratislava.

CZECHOSLOVAKIA

CERMAK, O.; School of Animal Husbandry (Uciliste pro Pracovniky Plemennarske Sluzby), Boskovice.

"The Influence of Secretions of Female Genitals on the Metabolism of Zoospermia."

Prague, Veterinarni Medicina, Vol 11, No 9, Sep 66, pp 559-568

Abstract [Author's English summary modified]: The life of zoo-spermia in the organs of a female is influenced by the secretion of these organs. A study of bull zoospermia exposed to vaginal secretions of cows showed that the secretions stimulated the respiration of the zoospermia. Their vitality was also increased by the secretion. 4 Tables, 3 Western, 3 Czech, 2 Russian references. (Manuscript received 24 Jan 66).

1/1

L 33549-66

ACC NR: AP6023483

SOURCE CODE: CZ/0031/65/013/009/0621/0625
24
B

AUTHOR: Cermak, Rudolf (Engineer)

ORG: Research Institute of Mechanization and Automation, Nove Mesto (Vyskumny ustav mechanizacie a automatizacie)

TITLE: Unit head assembly system with rectilinear motion

SOURCE: Strojirenska vyroba, v. 13, no. 9, 1965, 621-625

TOPIC TAGS: production engineering, automation equipment, industrial automation

ABSTRACT: The article discusses problems involved in the complete automation of the assembly of certain mechanical products, which was not been accomplished in practice, with few exceptions, mainly because of the shortcomings which develop when special single-purpose equipment is used. Work done at the Institute on this question and a unit head assembly system are described. Orig. art. has: 7 figures. [JPRS]

SUB CODE: 13 / SUBM DATE: none

Card 1/1 22

UDC: 621.118.5: 621.757

CERMAK, V.

MILITARY & NAVAL SCIENCES: GENERAL

Periodical NASA VMLA. Vol. 5, no. 10, Oct. 1958.

CERMAK, V. Conference on problems of fir-tree growing in Slovakia. p. 458.

Monthly List of East European Accessions (EEAI) IC, Vol. 8, no. 3, March, 1959. Uncl.

CERMAK, P.; DVORAK, K.; NEUMANOVA, M.

Electroluminescence indicator. Automatizace 6 no.5:123
My '63.

CERMAK, V.

Experiences in sewer shielding. p. 302.

STAVBA. (Poverenictvo stavebnictva) Bratislava, Czechoslovakia. Vol. 6, no. 10, Oct. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 12, Dec. 1959.
UNCL

CERMAK, V.

"Transfer of the water main and the power mains into the through of the
Komarno Harbor. p. 103"

STAVEBA. (Poverenictvo stavebnictva) Bratislava, Czechoslovakia, Vol. 6, No. 4
Apr. 1959

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 6 June 1959
Uncl.

CERMAK, V. OUNZ, Usti n/L.

Evaluation of the tomographs of the lungs in the course of pulmonary tuberculosis. Lek. obsor 3 no.7-8:375-385 1954.

1. Z kliniky tuberkulózy SU v Bratislave
(TUBERCULOSIS, PULMONARY, diagnosis
x-rays, tomography)

CERMAK, Vlastimil, MUDr, asistent kliniki

Use of trypsin, streptokinase, and streptodornase in thoracic empyema. Lek. listy, Brno 9 no.21:484-487 1 Nov 54.

1. Z kliniky tbc IFSU v Bratislave. Prednosta: prof. MUDr Bozena Sturova-Kuklova.

(EMPYEMA, PLEURAL, therapy,
streptodornase, streptokinase & trypsin)

(TRYPSIN, therapeutic use,
empyema, pleural)

(STREPTODORNASE AND STREPTOKINASE, therapeutic use,
empyema, pleural)

LISKA, V.; CERMAK, V.; BAKULE, K.

A new type of automatic dilatometers. Chem listy 58 no.10:
1164-1167 0 '64.

1. Chair of Technology of Plastic Materials, Higher School
of Chemical Technology, Pardubice.

CERMAK, Vladimir

Surface distribution of the gamma ray intensity from a source with variable density of the radioactive substance. *Studia geophys* 7 no.1:45-52 '63.

1. Geophysical Institute, Czechoslovak Academy of Sciences, Praha 4 - Sporilov, Bozni II.

CERMAK, Vladimir, inz. CSc.

"Use of aerial photographs in Swiss forestry" by A. Kurth,
B. Rhody and others. Reviewed by Vladimir Cermak. Les cas 10
no.5:523-524 My '64.

1. Research Institute of Forestry, Banska Stiavnica.

CERMÁK, Vladimír

✓Polarographic study of sodium dithionate. Vladimír Cermák (Českoslov. akad. věd, Prague). Chem. Zvesti 8, 222-23 (1954).—The polarographic behavior of $\text{Na}_2\text{S}_2\text{O}_8$ (I) in neutral and alk. medium is a good example of an electrode process where in the vicinity of the electrode there is reaction $\text{S}_2\text{O}_8^{2-} \rightarrow 2\text{SO}_4^{\cdot -}$ (II) that is the decompn. of dimer into 2 isomers. The theoretical calcns. agree with the expts. and confirm the equil. of II in solns. It is also possible to calc. the relation of const. of decompn. of dimer, "k" and equil. const. $K = [\text{D}]/[\text{M}]^2$. A reaction scheme, explaining the polarographic behavior of I in acid solns. and mechanism of the electrode processes of H_2SO_5 , is given. Jan Míček

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CERNAK, V.

CZECH

A new case of catalyzed depolarization in polarography.
V. Cernak (Karlova Univ., Prague). *Chem. Listy* 46,
1952, 848-849. A new case of catalyzed depolarization is the
polarographic reduction of SO_2 solns. in the presence of leuco
forms of thiazine, phenazine, indamine, and indophenol
dyes, of some amines such as ethylenediamine, aniline,
phenylenediamine, or of some substances decreasing the H
overtoltage such as ascorbic acid. F. Stráfelda

~~VLADIMIR~~ CERMAH, Ve.

CZECHOSLOVAKIA/Nuclear Physics

C-2

Abs Jour : Referat Zhur - Fizika, No 5, 1957, 11001

Author : Cermah Vladimir, Hanus Vladimir

Inst : Not given

Title : Remarks on the Article by Ondracek "Mass Spectrograph of
the Research Institute of Vacuum Electronics."

Orig Pub : Slaboproudy obzor, 1956, 17, No 8, 456-457

Abstract : See Referat Zhur Fizika, 1956, 1583.

Card 1/1

CERMAK, V.

7
Polarographic determination of the rate of recombination of
of iodic and bromic acids 270. Cernat. Collection Czech. Chem.
Chem. Commun. 21, 1347-6 (1950) (in German).—See C.A.
50, 15282i. F. T. C.

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ČERMÁK, VLADIMÍR

Czechoslovakia/Fitting Out of Laboratories - Instruments, Their Theory, Construction, and Use, H

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61958

Author: Cermak, Vladimir

Institution: None

Title: Mass Spectrometry

Original

Periodical: Hmotova spektrometrie, Vesmir, 1956, 35, No 1, 9-11; Czech

Abstract: Popular presentation of the mass-spectrometric procedure for qualitative and quantitative gas analysis which has been developed by the author. The procedure is based on comparison of the mass-spectrum of the investigated substance with spectra of standard samples, and is usable in those instances when a linear correlation exists between ionic current characterizing the individual components and their partial pressure as well as additiveness of ionic currents of a gas mixture. Considered are the possible sources of errors and the limitations of the procedure.

Card 1/1

CERMAK, V.

"APPROVED FOR RELEASE: 06/09/2000

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CEAMAK V.

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APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308020016-1"

CERMAK, V.
CZECHOSLOVAKIA / Physical Chemistry. Radiochemistry.
Isotopes.

B

Abs Jour: Ref Zhur-Khimiya, No 11, 1958, 35307

Author : Zeman Adolf, Cermak Vladimir

Inst : Not given

Title : The Concentrating of the N^{15} Isotope With the Aid
of a Chemical Exchange Reaction.

Orig Pub: Chem. listy, 1957, 51, No 5, 818-822

Abstract: A single-stage enriching column for the concentrating of N^{15} with the aid of an exchange reaction between NH_4^+ and NH_3 (gas) is described. The column was 8.3 meters long, 12 millimeters wide and provided with a cap consisting of 2 x 4 millimeter vitreous texture rolls. After the lapse of 27 days the concentration N^{15} rose from

Card 1/2

3

CZECHOSLOVAKIA / Physical Chemistry. Radiochemistry.
Isotopes.

B

Abs Jour: Ref Zhur-Ahimiya, No 11, 1958, 35307

Abstract: 0.365 atom percent to 11.4 atom percent. The total enrichment factor $Z = 35.1$; the height, equivalent to the theoretical stage, 5.3 centimeters.

Card 2/2

CERMAC, V

CZECHOSLOVAKIA / Physical Chemistry. Electrochemistry. B

Abs Jour: Ref Zhur-Khimiya, No 24, 1958, 80869.

Author : Cermac V.

Inst : Not given.

Title : Polarographic Investigation of the Electrode
and of Chemical Reactions of the Sulfurous
Acid-Hydrosulfurous Acid System. I. Polarographic
Behaviour of Hydrosulfurous Salt in
Acidic Medium. II. Polarographic Behaviour of
Sulfurous Acid.

Orig Pub: Chem. listy, 1957, 51, No 12, 2205-2212, 2213-
2224.

Abstract: I. Free hydrosulfurous acid decomposes in acid-
ic media. At $\text{pH} < 2.6$ there is only one oxidation-
reduction peak; at higher pH the anode wave splits
into two branches: E_1 of the more positive wave

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CZECHOSLOVAKIA / Physical Chemistry. Electrochemistry. B

Abs Jour: Ref Zhur-Khimiya, No 24, 1958, 80869.

Abstract: But at the increased concentration of multivalent cations it shifts into the positive direction. With the increase in pH, height of this wave, first increased, reaches maximum at pH = 5.4, and then decreases again at still higher pH values. At higher concentrations of electrolyte or in the presence of dying substances and amines, between the two reduction waves, the third one appears. With the aid of Kalousek's switch, formation of hydrosulfurous acid is proved. It forms in the reduction of sulfurous acid at all values of pH. When switched on the limiting current of the second wave, the formed substances produce a more positive wave, than that of the hydrosulfurous salt. With the aid of electrolysis performed with a stationary droplet

Card 5/7

GERMAN V.

Country	: Czechoslovakia	B
Category	:	
Abs. Jour	:	4253
Author	: Sergak, V.	
Institut.	: Not given	
Title	: Polarographic Study of Electrode and Chemical Reactions in the System Sulfuric Acid-Hyposulfurous Acid	
Orig Pub.	: Collection Czechoslov Chem Commun, 23, No 10, 1871-1885 (1958)	
Abstract	: See RZhKhim, No 24, 1958, 30069.	

Card: 1/1

CZECHOSLOVAKIA/Physical Chemistry. Electrochemistry.

B

Abs Jour: Ref Zhur-Khin., No 5, 1959, 14795.

Author : Cernak V.

Inst :

Title : Application of a Stationary Drop Electrode for the
Study of Polarographic Electrode Reactions and the
Determination of Electroactive Products.

Orig Pub: Chem. listy, 1958, 52, No 3, 413-418.

Abstract: A polarographic capillary, of an internal diameter
of 0.08-0.09 millimeters, has a soldered glass
stopcock which, when closed, forms a stationary ca-
pillary electrode. The latter is continuously
polarized by a variable voltage to desired potential
values and inversely. The product of the electrode
reaction of the polarization at a given voltage can

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CZECHOSLOVAKIA/Physical Chemistry. Electrochemistry.

D

Abstr Jour: Ref Zhur-Khim., No 5, 1959, 14795.

be accumulated with the aid of the electrode. The polarographic curve can then be plotted, whereby curves with legible current peaks are obtained. There are presented examples of curves for reversible oxidizing-reducing electrode reactions, reversible electrode processes with amalgams' formations, irreversible reducing reactions, and also reactions accompanied by adsorption, and kinetic currents. Current maxima do not occur in the case of kinetic currents. The described method is brought forward in order to explain the electrode processes for SO_2 and related compounds. Quantitative studies on a stationary capillary H-electrode become complicated because of the presence of convection currents,

Card : 2/3

COUNTRY : Czechoslovakia
CATEGORY :
ABS. JOUR. : RZKhim., No. 22 1959, No. 78433
AUTHOR : Cernak, V., Hanus, V., and Dolejsk, Z.
SUBJ. : Not given
TITLE : The Development of Mass-Spectrometry in Czechoslovakia
ORIG. PUB. : Chem Prumysl, 9, No 3, 126-128 (1959)
ABSTRACT : A brief description is given of mass-spectrometers in use at plants and research institutes in Czechoslovakia.
Ya. Satunovskiy

CARD: 1/1

CITIZEL, V.; HANUS, V.

"Note on the mass spectra of alkylthiophenes, and the structure of the ion $C_5H_5S^+$." In English. p. 1602.

COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, Praha, Czech.,
Vol 24, no. 5, May 1959

Monthly List of East European Accessions (EEAI), IC, Vol. 8, No. 6, Sept. 59

Unclassified.

88198

Z/038/60/000/010/004/006
A201/A026

26.23/2

AUTHORS: Čermák, Vladimír; Herman, Zdeněk

TITLE: Reactions of Ions With Molecules in N₂, O₂, CO, SO₂, CO₂, COS, and CS₂

PERIODICAL: JADERNA ENERGIE, 1960, No. 10, p. 347

TEXT: In an attempt to formulate equations for the calculation of the true cross-section of extremely rapid reactions in gaseous phase, the authors studied such reactions in inorganic gases. V.L. Talroze (Ref. 1, 3) and D.P. Stevenson (Ref. 2, 4) have already shown that these reactions belong to the elementary reactions provoked in the gaseous phase by ionizing radiation. The authors conducted experiments using a Nier-type mass spectrometer. The results of these experiments are shown in Table 1. Reaction cross-sections, as calculated from the equation

$$Q_f = \frac{i_s}{i_p} (nl)^{-1} \quad (1)$$

where i_s - the current of secondary ions, i_p - the current of all primary molecular ions, n - the number of molecules in 1 cm³ at the ion source, l - the path of primary ions in the ionization space, and Q_f - the phenomenological reaction cross-

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-section, were found to be 2-6 orders of magnitude smaller than the cross-sections of any other known reactions. In addition, the first ionization potentials (i.e. the lowest electron energy at which the corresponding positive ions appear in the mass spectrum) for N_3^+ , O_3^+ , C_2O^+ , CS_2^+ , and $C_2O_3^+$ ions were found to be higher than the first ionization potentials for the primary molecular ions in the ground state. In N_3^+ and C_2O^+ they corresponded to the first ionization potentials of N_2^+ and CO^+ ions, respectively, in the $B^2\Sigma^+$ state; in the O_3^+ ion to that of the $C_2^{+2}\pi$ molecular ion state; and in the CS_2^+ ion to that of a CS_2^+ ion in the first electronically excited state (12.1 eV). These excited states are characterized by a very short lifetime of $10^{-7} - 10^{-8}$ sec so that the excited ions become deactivated by radiation while still in the ion source. An attempt was made therefore to formulate equations for the calculation of the true reaction cross-section such as would take into consideration also the deactivation. In such case, the current of secondary ions is not defined by the equation (1), but by the equation

$$i_s = i_{p0} \frac{ms\bar{Q}_r}{\tau} \quad (2)$$

where i_{p0} - the current of reacting excited ions, $\bar{Q}_r$ - the true reaction cross-section, and τ - the mean path of excited ions during their mean life defined by

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the expression

$$\bar{s} = \frac{1}{4\pi} \int_0^\pi \int_0^\pi s \cdot 2\pi \sin\theta d\theta d\phi \quad (3)$$

Here θ is the angle between the direction of the thermal speed of excited ions and the intensity of the electric field in the ionization space, Q_r is then defined as

$$Q_r = \frac{i_p}{i_{p0}} \cdot \frac{1}{s} \quad Q_r = \frac{Q_1}{Q_e} \cdot \frac{1}{s} \quad Q_f \quad (4)$$

where Q_e - the excitation cross-section for the electronically excited reactive state, and Q_1 - the ionization cross-section of molecular ions. (In case of the reaction in N₂ a value

$$Q_r \frac{Q_e}{Q_1} = 8.5 \cdot 10^{-16} \text{ cm}^2$$

was obtained from experimental data). If the decrease of excited particles is considered according to the equation

$$N_t = N_0 \cdot e^{-\frac{t}{\tau}} \quad (5)$$

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where N_t - is the quantity of particles in time t , N_0 is the quantity of particles in time $t=0$, and τ is the mean life of excited particles, then for the product of the mean velocity constant value $\bar{K}$ and the ratio Q_e/Q_1 the following expression can be derived:

$$\bar{K} \frac{Q_e}{Q_1} = \frac{i_s}{i_p \cdot n \cdot \tau \left(1 - e^{-\frac{t_r}{\tau}} \right)},$$

where t_r - the time of the order of 10^{-6} sec during which ions remain in the source. In experimental conditions given for the reaction of the formation of a N_3^+ ion, this product has a value of $1.5 \cdot 10^{-9} \text{ cm}^3 (\text{molecule} \cdot \text{sec})^{-1}$. When calculating the heat in reactions of ions with molecules in nitrogen and oxygen from the combination heat of the reacting substances, it is seen that the reactions with ions in the ground state are endothermic. They become exothermic only when ions in electronically excited state are involved. Thus, in case of reactions of ions with molecules proceeding without activation energy, the electronic excitation can be used to make up for the energy deficit. There are 1 table and 6 references: 2 Czechoslovak, 2 Soviet and 2 English.

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Z/038/60/000/010/004/006
A201/A026

Reactions of Ions With Molecules in N_2 , O_2 , CO, SO_2 , CO_2 , COS, and CS_2

ASSOCIATION: Ústav fyzikální chemie Československé akademie věd (Institute of Physical Chemistry, Czechoslovak Academy of Sciences) in Prague

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Z/038/60/000/010/004/006

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Reactions of Ions With Molecules in N_2 , O_2 , CO , SO_2 , CO_2 , COS , and CS_2

Phenomenological cross-sections of secondary reactions

Gas mixture	Ion Type	Reaction	$\sigma_f \cdot 10^{16} \text{ cm}^2$
Ar + H ₂	ArH ⁺	Ar ⁺ + H ₂ = ArH ⁺ + H	110
N ₂	N ₃ ⁺	N ₂ ⁺ + N ₂ = N ₃ ⁺ + N	0.2
O ₂	O ₃ ⁺	O ₂ ⁺ + O ₂ = O ₃ ⁺ + O	1.2
CO	C ₂ O ⁺	CO ⁺ + CO = C ₂ O ⁺ + O	0.1
N ₂ + CO	NCO ⁺	N ₂ ⁺ + CO = NCO ⁺ + N	0.1
		CO ⁺ + N ₂ = NCO ⁺ + N	
SO ₂	S ₂ O ₃ ⁺	SO ₂ ⁺ + SO ₂ = S ₂ O ₃ ⁺ + O	0.05
CO ₂	CO ₃ ⁺	CO ₂ ⁺ + CO ₂ = CO ₃ ⁺ + CO	0.003
	C ₂ O ₃ ⁺	= C ₂ O ₃ ⁺ + O	0.03
	C ₂ O ₂ ⁺	= C ₂ O ₂ ⁺ + 2O(O ₂)	0.006
COS	CS ₂ O ⁺	COS ⁺ + COS = CS ₂ O ⁺ + CO	0.1
CS ₂	CS ₃ ⁺	CS ₂ ⁺ + CS ₂ = CS ₃ ⁺ + CS	4.0
	C ₂ S ₃ ⁺	= C ₂ S ₃ ⁺ + S	0.1
	C ₂ S ₂ ⁺	= C ₂ S ₂ ⁺ + 2S	0.6
	C ₂ S ⁺	= C ₂ S ⁺ + 3S	0.2

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CERMAK, V.

Charge-transfer reactions in the ionic source of the mass spectrometer. ¹AV. Čermák and Z. Herman (Ústav fyzikální chemie CSAV, Prague). Collection Czechoslov. Chem. Commun. 25, 1210-13(1960).—Peaks are described which appear in the mass spectra of some substances (rare gases, N, CO, CO₂) at higher pressure in the source; the positions of the peaks depend on the value of the extraction potential. The peaks are ascribed to ions which are formed in known parts of the ionic source as a result of the charge-transfer reactions. E. Erdős

5

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CERMAK, Vladimir, dr., C.Sc.

Mass spectrometer. Tech prace 14 no. 5:506-507 J1 '62.

1. Ustav fyzikalni chemie, Ceskoslovenska akademie ved, Praha.

CERMAK, V.; HERMAN, Z.

Application of the mass spectrometer in the study of dissociative charge transfer reactions of polyatomic molecules. Coll Cz Chem 27 no.2:406-410 F '62.

1. Institute of Physical Chemistry, Czechoslovak Academy of Sciences, Prague.

S/058/63/000/002/020/070
A062/A101

AUTHORS: Cermák, V., Herman, Z.

TITLE: On the existence of the excited state $A^4\Sigma$ of N_2^+ ions.

PERIODICAL: Referativnyy zhurnal, Fizika, no. 2, 1963, 22, abstract 2D122
("Collect. Czechosl. Chem. Commun.", 1962, v. 27, no. 6, 1493 - 1496.
English; summary in Russian)

TEXT: The dependence of ion currents of primary and secondary ions of N_2^+ and N_3^+ as well as of N_2 and ArN^+ on the energy of ionizing electrons were investigated. Secondary ions of N_3^+ or ArN^+ are formed in ion-molecular reactions in N_2 (or in the mixture of Ar and N_2), occurring in the ion source of a mass spectrometer. It is shown that the dependence of the currents of the investigated secondary ions on the energy of the electrons has a maximum which is characteristic of the transitions between levels of different multiplicities. It is assumed that such a dependence is due to the fact that in the ion-molecular reactions N_2^+ ions participate in the $^4\Sigma_u$.

Ye. Frankevich

[Abstracter's note: Complete translation]

Card 1/1

CERMAK, V.; HANUS, V.; HLADEK, L.; HERMAN, Z.; PACAK, M.; SCHULZ, L.

A mass spectrometer for precise determination of the ratio of deuterium to hydrogen in hydrogen gas in the region of natural deuterium concentrations. Coll Cz Chem 27 no.7:1633-1638 JI '62.

1. Institute of Physical chemistry, Czechoslovak Academy of Sciences, Prague.

LISKA, Vladimir; CERMAK, Vladimir

Autoxidation of monomers. Pts. 1-2. Sbor VSChT Pardubice
1/2 95-112 '62 [publ. '63].

1. Katedra technologie plastickych hmot, Vysoka skola
chemicko-technologicka, Pardubice.

LISKA, Vladimir; CERMAK, Vladimir

Autoxidation of monomers. Pt.3. Sbor VSChT Pardubice Pt.2:
97-104 '63.

1. Chair of Technology of Plastic Materials, Higher School of
Chemical Technology, Pardubice.

HERMAN, Z.; CERMAK, V.

Mass spectrometric investigation of the reactions of ions and
excited neutral particles in mixtures containing mercury vapor.
Coll Cz Chem 28 no.4:799-807 Ap '63.

1. Institute of Physical Chemistry, Czechoslovak Academy of
Sciences, Prague.

GERMAK, Vladimir; HANDLIROVA, Marie

Influence of complex forming agents on acrylonitrile
polymerization. Sbor VŠCHT Pardubice no.1:173-179 '64.

1. Chair of Technology of Plastics of the Higher School of
Chemical Technology, Pardubice. Submitted October 10, 1963.

CERMAK, V.; HERMAN, Z.

The mass spectrometric detection of highly excited long-lived states of noble gas atoms. Coll Cz Chem 29 no.4: 953-959 Ap '64.

1. Institute of Physical Chemistry, Czechoslovak Academy of Sciences, Prague.

CERMAK, V.; HERMAN, Z.

Ionizing reactions of noble gas atoms in metastable states
with polyatomic molecules. Coll Cz Chem 30 no.1:169-194
Ja '65.

1. Institute of Physical Chemistry of the Czechoslovak
Academy of Sciences, Prague. Submitted May 4, 1964.

CERMAK, V.; HERMAN, Z.

Mass spectrometric study of the formation of N_3^+ and C_2O^+ ions.
Coll Cz Chem 30 no.5:1343-1357 My '65.

1. Institute of Physical Chemistry of the Czechoslovak Academy
of Sciences, Prague. Submitted July 18, 1964.

CERMAK, V.

CZECHOSLOVAKIA

HEIDMAN, Z.; CERMAK, V.

Institute of Physical Chemistry, Czechoslovak Academy of Sciences, Prague
(for both)

Prague, Collection of Czechoslovak Chemical Communications, No 2, Feb 1966,
pp 649-658

"Associative ionization in mixtures of carbon monoxide with sodium and
potassium and the mechanism of associative ionization reactions."

CERNAX, V.

"Short Circuit in the Collector of the Distribution Station." Praha, p. 142, Vol. 3, No. 9, September 1954, Lib. of Congress

SO: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress

CERMAK, V.

"Fluctuating Capacity of Electric Generators." p. 236, Praha, Vol. 4, no. 5, May 1954.

SO: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress

CERMAK, V.

"Damage in stator winding of a generator with low-tension self-excitation."

ENERGETIKA, Praha, Czechoslovakia, Vol. 5, no. 1, Jan. 1955

Monthly List of East European Accessions Index (EEAI), Library of Congress,
Vol. 8, No. 8, August 1959

Unclassified

CZECHOSLOVAKIA

UDC

616.441-667.557.5

KRAL, L.; ZAJICEK, V.; CERMAK, V.; FEIX, V.; KOMAREK, R.; KOPAC, S.; Dept. of Surgery, Anesthesia and 2nd Internal, Hospital (Chir. Anest. a II. Int. Odd. Nemocnice) na Frantisku, Head (Vedouci) Dr V. CERMAK, Dr V. ZAJICEK, Dr R. KOMAREK; Otolaryngological Dept. Polyclinic of Okresni Inst. of Nat. Health (Otolaryngologicke Odd. Polikliniky OUNZ) Prague 1, Head (Vedouci) S. KOPAC; Int. Dept. Faculty Polyclinic, Charles Univ. (Int. Odd Fak. Polikliniky KU), Prague, Head (Vedouci) Prof Dr K. HERFORT.

"Surgery of the Thyroid Gland Under General Anesthesia."

Prague, Casopis Lekarů Ceskych, Vol 105, No 27-28, 4 Jul 66, pp 744 - 750

Abstract /Authors' English summary modified_7: 567 thyroidectomies under endotracheal anesthesia with a fatality rate of 0.35% are described. In the past 6 years 404 operations (27 malignant, 184 toxic) were performed without a fatality. In 377 benign goitres unilateral damage was found in 7.7%, bilateral not at all. Endotracheal anesthesia is suitable in thyroid gland surgery . 6 Tables, 11 Western, 4 Czech, 1 Russian, 3 East German references. 1/1 (Ms. rec. Jul 65).

- 64 -

GERMAK, Vaclav, MUDr

Foreign bodies of the thoracic cavity. Cas.lek.cesk. 91 no.38:
1087-1088 19 Sept 52.

1. Okresni ustav Narodniho zdravi v Pisku, chirurgicke oddeleni.
(THORAX, foreign bodies)
(FOREIGN BODIES,
thorax)

KLEIN, P.; GERMAK, V.

Our experience with ligating the inferior vena cava in mitral defects.
Cas.lek.cesk. 99 no.46:1444-1447 11 N '60.

1. Prvni interni oddeleni nemocnice na Frantisku, prim. MUDr.
Pavel Klein, a chirurgicke oddeleni nemocnice Na Frantisku,
prim. MUDr. Vaclav Cermak.
(MITRAL STENOSIS surg)
(VENAE CAVA surg)

CERMAK, Vaclav; KRAL, Ludvik

~~Pathological pneumothorax. Cas. Lek. Cesk. 100 no.49:1552-1558 8 D '61.~~

1. Chirurgické oddělení nemocnice Na Františku (OUNZ-Praha 3), přednosta
MUDr. Václav Cernák.

(PNEUMOTHORAX)

CZECHOSLOVAKIA

O. RUZICKA and J. TEJMAR, Department of Surgery in Prague of the Hospital (Chirurgické oddělení Praha nemocnice) "Na Františku," Head (prednosta) V. CERMAK, MD, Prague.

"Summary Function Test of Circulation and Respiration."

Prague, Časopis Lékařů Českých, Vol 102, No 8, 22 Feb 63; pp 213-214.

Abstract [English summary modified]: Proposed summary test consisting in blood oximetry pattern accompanying and following period of apnea after deep expiration. Reproducibility in normal persons seems excellent; characteristic changes in asthmatics and other dysfunctions of either circulation or respiration. Seven graphs; 8 Czech (whereof 3 unpublished) and 12 Western references.

KLEIN, P.; CERMAK, V.; MALIKOVA, V.

Our experiences with ligation of the internal mammary arteries
in angina pectoris. Rozhl. chir. 42 no.10:700-703 0 '63.

I. I. interni oddeleni (vedouci MUDr. P. Klein) a chirurgicke
oddeleni (vedouci MUDr. V. Cermak) nemocnice v Praze 1, Na
Frantisku.

*

KRAL, L., Praha 4, nam. Hrdinu 8; CERMAK, V.; MARIK, A.; SKOKAN, Z.V.;
SYROVY, J.

Leiomyomas of the lung. Cas. lek. Cesk. 104 no.42:1145-1149
22 0 '65.

1. Chirurgické oddelení nemocnice Na Frantisku v Praze 1
(vedoucí MUDr. V. Cermak), Rentgenologické oddelení nemocnice
Na Frantisku v Praze 1 (vedoucí MUDr. J. Syrový), Rentgenolo-
gické oddelení polikliniky Obvodního ústavu národního zdraví
v Praze 1 (vedoucí MUDr. Z.V. Skokan) a Tuberkulózní oddelení
polikliniky Obvodního ústavu národního zdraví v Praze 1 (vedoucí
MUDr. B. Vodickova). Submitted October 1964.

CZECHOSLOVAKIA

UDC 616.24-008.47-036.16

KRAL, J.; NOVOTNY, V.; CERMAK, V.; Institute for Medical Aspects of Physical Education, Faculty of General Diseases, Charles University (Ustav Telovychovneho Lekarstvi Fakulty Vseobecneho Lekarstvi KU), Prague, Head (Prednosta) Prof Dr J. KRAL.

"Transitory Dyspnea in Healthy Subjects. The Dead Point."

Prague, Casopis Lekarů Ceských, Vol 105, No 35, 2 Sep 66, pp 962 - 968

Abstract [Authors' English summary modified]: The dead point is a temporary dyspnea occurring in long distance cyclists at a work load of 150-250 W on a bicycle ergometer after a 7 to 19 minute effort; it lasts 20 to 625 seconds. The authors report one case, where a crisis lasting 74 seconds occurred 6 minutes before the dead point. During the dead point, respiration and pulse rates, O₂ consumption, and CO₂ elimination increase and the tidal volume, respiratory quotient, and oxygen pressure decrease. The second wind is a relief for the respiratory and circulation systems; conditions return to those occurring before the dead point. 5 Figures, 2 Tables, 30 Western, 5 Czech, 2 Russian, 1 East German reference. (Manuscript received Mar 66)

1/1

CUPRYNENKO, E.V., kandidat technicheskikh ved; OLECHNOVIC, K.A.; MARCENKO,
K.J., inzh.; CERMAK, Zdenek [translator]

Activation of fine-grain concrete by vibration mixing. Inzh stavby
10 no.3:Suppl35-36 Mr '62.

1. Montovane stavby, n.p., Brno (for Germak).

CERMAK, Z.

"Tensiometric Measurement of the Deformation of a Dam Wall" (Conclusion p. 323, VODNI HOSPODARSTVI, Vol. 3, No. 11, November 1953, Praha, Czechoslovakia).

SO: Monthly List of East European Accessions, IC, Vol. 3, No. 5, May 1954, Unclassified.

CERMAN, T.

Measurements for control purposes on dam constructions. p. 194.

Vol. 4, no. 7, July 1954
VODNE HOSPODARSTVI
Praha, Czechoslovakia

Source: East European Accession List. Library of Congress
Vol. 5, No. 3, August 1956

CERMAK, Z.

CERMAK, Z. Results of measurements taken at the Orava Dam. p. 334.

Vol. 5, No. 11, Nov. 1955

VCDNI HOSPODARSTVI

Praha, Czechoslovakia

Technology

So: East European Accessions, Vol. 5, No. 5, May 1956

CERMAK, Z.; MEJZLIK, L.

"Measurement of the deformation of plates and surface structures by the use of the freezing method. p. 107"

STAVEBNICKY CASOPIS. (Slovenska akademie vied) Bratislava, Czechoslovakia,
Vol. 7, No. 2, 1959

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 6 June 1959
Uncl.

CERMAK, Z.

Model measurement, a route toward economical design of hydraulic structures.
p. 276.

STAVBA. (Poverneictvo stavebnictva) Bratislava, Czechoslovakia, Vol. 6, No. 9,
September 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 11,
November 1959.

Uncl.